

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1.-35. (Cancelled)

36. (Currently Amended) A method for simultaneously viewing ~~remote microscope images comprising virtual and a real microscope image[[s]] and a virtual representation thereof to produce an optimal image of a microscope slide and producing a seamless view of said real and virtual images, said method comprising:~~

~~providing a virtual slide formed from a processed image of a slide;~~

~~providing a real microscope slide;~~

~~providing a virtual slide formed of a virtual image of said real microscope slide, said virtual image being a representation of a real image of said real microscope slide;~~

~~enabling simultaneous viewing of said virtual and real images on a screen;~~ and

~~automatically and sequentially shifting regions, and overlapping selective regions of images from the said virtual slide and [[from]] real images the live microscope slide to obtain an optimal image.~~

37. (Currently Amended) ~~The [[A]] method of [[as in]] claim 36, further comprising using different levels of compression in the different regions wherein said virtual image comprises multiple compression levels.~~

Please add new claims 38-43 as follows:

38. (New) The method of claim 36, wherein said virtual image is compressed, the method further comprising creating a region of interest including selecting and decompressing a portion of the virtual image.

39. (New) The method of claim 39, further comprising transmitting the region of interest to a user.

40. (New) The method of claim 38, further comprising recompressing the region of interest.

41. (New) The method of claim 40, further comprising transmitting the region of interest to a user.

42. (New) The method of claim 36, wherein said virtual image comprises a plurality of compressed images, the method further comprising creating a region of interest including selecting and decompressing a portion of one or more of the compressed images.

43. (New) The method of claim 42, further comprising transmitting the region of interest to a user.